



Product: [FDSD012A9](#) 

Indoor/Outdoor Plenum OS2 Distribution 12 Fibers Aluminum Interlocked

Product Description

FX Indoor/Outdoor, OS2, Distribution Tight Buffer, 12 Fibers, OFCP, Aluminum Interlocked Armor Non-Unitized, Black Jacket

Technical Specifications

Product Overview

Product Category:	Fiber Distribution Cable
Suitable Applications:	Premise Backbone

Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 μ m
Fiber Buffer Diameter:	900 μ m
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Inner Jacket Specifications

Inner Jacket Strength Member:	Waterblocking Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nominal Diameter@InnerJacket1 (cnv):	0.236 in (6 mm)
Color:	Black
Number of Inner Jacket Ripcoords:	1

Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor
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Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.531 in (13.5 mm)
Outer Jacket Color:	Black

Mechanical Characteristics

Minimum Bend Radius During Installation:	20x Cable OD
Minimum Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	660 N (150 lbf)
Max. Tensile Strength During Operation:	200 N (45 lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	108 lbs/kft (161 kg/km)

Temperature Range

Installation Temperature Range:	0°C to +60°C
Operating Temperature Range:	-40°C to +70°C
Storage Temperature Range:	-40°C to +70°C

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance
Sustainability:	CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	NFPA 262
NEC / UL Compliance:	OFCP
CEC / C(UL) Compliance:	FT6
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	598-D
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

History

Update and Revision:	Revision Number: 0.101 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	UPC
FDSD012A9	Black	Reel	612825369141

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